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REQUEST FOR ACCESS OF ABANDONED APPLICATION UNDER 37 CFR 1.14

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Application at

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Assistant Commissioner for Pittents Washington, DC 20231

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US003663143A

United States Patent [19]

Ley et al.

[11] Patent Number:

5,663,143

[45] Date of Patent:

Sep. 2, 1997

[54] ENGINEERED HUMAN-DERIVED KUNITZ DOMAINS THAT INHIBIT HUMAN NEUTROPHIL ELASTASE

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[21] Appl No.: 358,160

(22) Filed: Dec. 16, 1994

Related U.S. Applications Data (63) Continuation in part of Sec. No. 133,031, Oct. 13, 1999, abandonal, and Genevia. 9,519, Jun. 26, 1995, Pat. No. 5,623,499, which is a continuation in part of Sec. No. 487,033, Mar. 2, 1990, singleight, which is a continuation on part of Gen. No. 280,163, Sop. 2, 1988, abandonal.

[51]	Int. CL ⁶ A61K 37/00; A611	K 38/55
[52]	U.S. CL.	514/12
[58]	Field of Search	514/12

[36]

References Clied U.S. PATENT DOCUMENTS

5,407,915	4/1995	Print et al	514/12
5,409,895	4/1995		514/12
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FOREIGN PATENT DOCUMENTS

	Baropean Pat. Off.	
	European Pat. Off. Puropean Pat. Off.	
9/1992		Challeton.

OTHER PUBLICATIONS

Keystons Symposium on Structural and Molecular Biology of Protease Function and Inhibition, Santa Fe, New Mexico, USA, Mar. 5–12, 1994, Journal of Cellular Biochemistry Supplement O (18d), 1994. 157. Markiand W et al: "Schootion for protease inhibitors using the bacteriophage-display technology".

Proc Natl Acad Sci USA 89 (6). 1992. 2429–2433. Roberts B L et al: "Directed Evolution of a Protein Selection of Potent Neutroghil Elastase Inhibitors Displayed on M13 Purion Phage".

Biochemistry, vol. 29, No. 33, 21 Aug. 1990, pp. 7539-7546, Broze Ir G I et al: "Regulation of Coagulation by a Multivalent Kuaitz-Type Inhibitor".

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IST

ABSTRACT

Certain Kunitz domain derived proteins which bind and inhibit human accurophil clasters with a K₂ of less than 10 pleumolar are described.

9 Chins, No Drawings